generate a compound which down-regulates the expression of a cell adhesion molecule by the cells, the compound being either (a) a polynucleotide complementary in sequence to part of the gene or mRNA that encodes the cell adhesion molecule, (b) a polynucleotide comprising a ribozyme sequence that specifically targets a gene or mRNA that encodes the cell adhesion molecule, or (c) a peptide or polypeptide with specific binding affinity for the cell adhesion molecule.

18
21. (New) A tissue according to claim 20, wherein said polypeptide (c) is a bispecific fusion protein.

19
22. (New) A polypeptide comprising a binding region capable of binding to a cell adhesion molecule and a signalling region for subcellular targeting of the polypeptide such that is not transported to the cell surface.

20
23. (New) A polypeptide according to claim 22, which comprises an antibody or antibody fragment.

21
24. (New) A polypeptide according to claim 23, which comprises a single chain Fv fragment.

22
25. (New) A polypeptide according to claim 22, wherein the signalling region for subcellular targeting of the polypeptide comprises a localisation signal for the endoplasmic reticulum.

23
26. (New) A polypeptide according to claim 25, wherein the signalling region comprises the amino acid sequence KDEL at the C terminus of the polypeptide.

24
27. (New) A polypeptide according to claim 22, wherein said binding region has affinity for any one of the adhesion molecules VCAM-1, ICAM-1, LFA-1, CD2, PECAM, CD31, IAP, CD47 or integrin αvβ3.

25
28. (New) A polynucleotide encoding a polypeptide according to claim 22.

26
29. (New) A vector comprising a polynucleotide according to claim 28.

27
30. (New) A cell comprising a polynucleotide according to claim 28 or a vector according to claim 29.

28
31. (New) Biological tissue comprising a cell according to claim 30.

29
32. A non-human animal comprising biological tissue according to claim 31 and/or a cell according to claim 30.

30
33. (New) An animal according to claim 32, wherein said animal is a transgenic pig or sheep.